

## BASIC SCHEMATIC DIAGRAM(1/3)

KV-3000R

Chassis No. SCC-374A

## NOTE

THIS SCHEMATIC DIAGRAM IS  
FOR USE BY YOUR SERVICE  
TECHNICIAN. KEEP THIS DIAGRAM  
HANDY FOR FUTURE REFERENCE.

Sony Corporation  
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SAFETY-RELATED COMPONENT WARNING!  
COMPONENTS IDENTIFIED BY SHADING AND  $\Delta$  MARK  
ON THE SCHEMATIC DIAGRAMS ARE CRITICAL TO  
SAFE OPERATION. REPLACE THESE COMPONENTS  
WITH SONY PARTS WHOSE PART NUMBERS APPEAR  
AS SHOWN IN THE PARTS LIST ON THIS BASIC SCHE-  
MATIC DIAGRAM OR IN THE SERVICE MANUAL.  
CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO  
SAFE OPERATION ARE IDENTIFIED IN THE SERVICE  
MANUAL PUBLISHED BY SONY. FOLLOW THESE  
PROCEDURES WHENEVER CRITICAL COMPONENTS  
ARE REPLACED OR IMPROPER OPERATION IS SUS-  
PECTED.

- All capacitors are in  $\mu$ F unless otherwise noted. pF:  $\mu$ F 50V or less are not indicated except for electrolytics.
- All resistors are in ohms,  $\frac{1}{4}$  W unless otherwise noted. k: 1000  $\Omega$ , M: 1000 k $\Omega$ .
- $\square$ : nonflammable resistor.
- $\Delta$ : internal component.
- panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by  $\blacksquare$  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by  $\blacksquare$ , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  $\blacksquare$  and repeat the adjustment until the specified value is achieved.
- Refer to the service manual for the adjustment of components identified by  $\blacksquare$ .
- All voltages are in V.
- Voltages are dc with respect to ground, unless otherwise noted.
- Readings are taken with a 1 M ohm-per-volt DMM.
- $\square$ : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- Voltage on MG, B and X boards are taken under conditions below.
- $\diamond$ : CH-13 (VHF HIGH) signal is received.
- $\diamond$ : VOLUME control is set to no sound position.
- $\diamond$ : PICTURE control is set to the first stage.

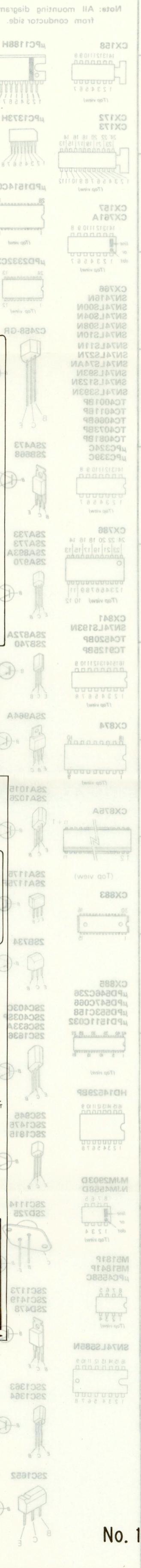
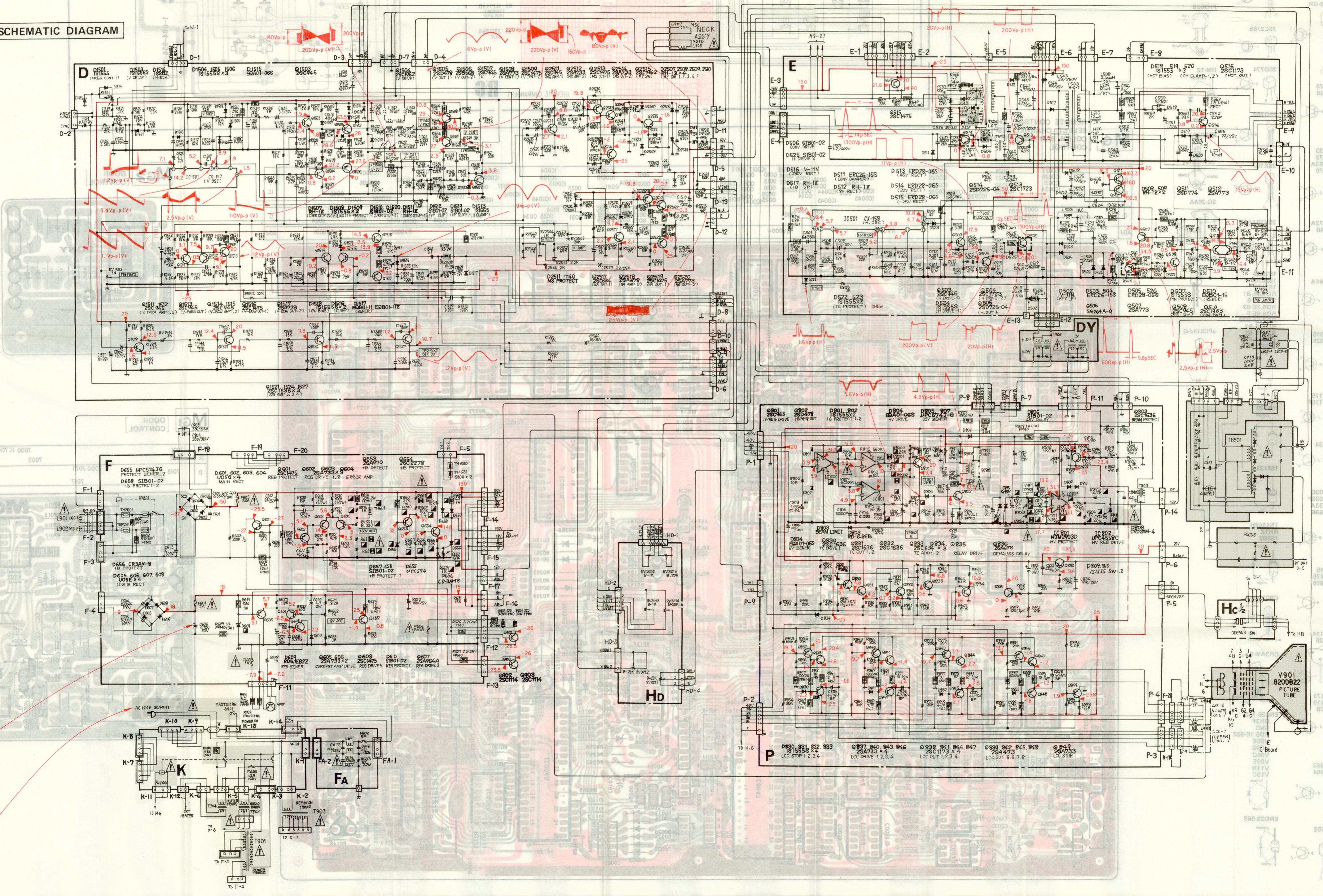
CAUTION  
When taking a broken fuse (F601) off, discharge across C606 to avoid shock hazard.

CAUTION  
This set is equipped with a polarized ac power cord  
plug (one blade of the plug is wider than the other).  
When replacing the ac power cord, be sure to connect it  
with specified part number as shown in this diagram.

PARTS LIST  
(THE SHADED AND  $\Delta$  MARK COMPONENTS)  
NOTE: REPLACE THE SHADED AND  $\Delta$  MARK  
COMPONENTS ON THE SCHEMATIC DIA-  
GRAM WITH SONY PARTS WHOSE PART  
NUMBERS APPEAR AS SHOWN IN THIS  
LIST OR IN SUPPLEMENTS PUBLISHED  
BY SONY.

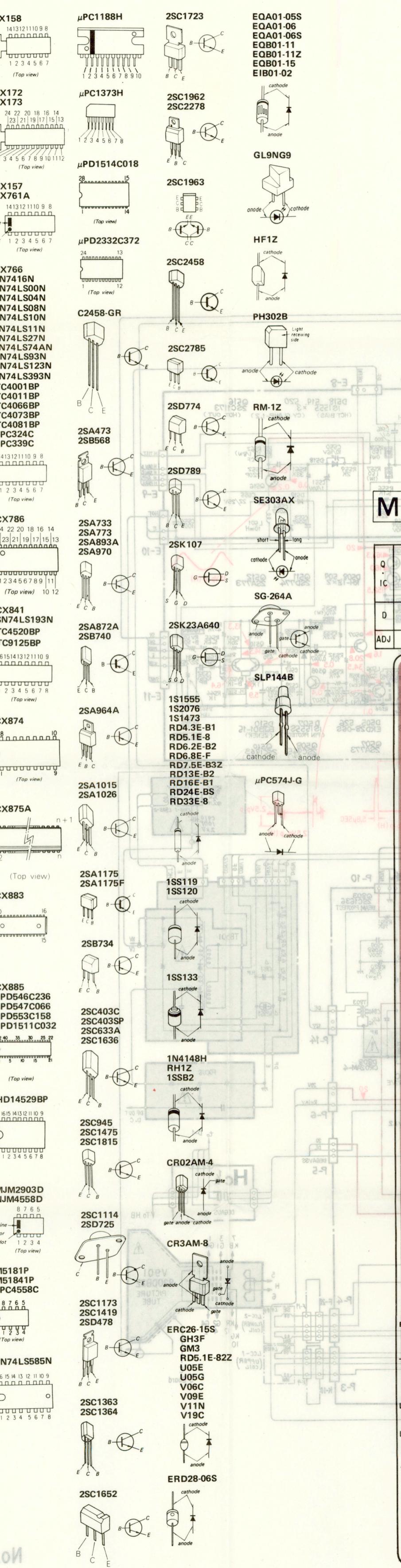
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
F605	1-532-268-XX	Fuse, 2.0 A	R8001	Resistor, $\frac{1}{4}$ W metal	1-226-667-00	HV Block Ass'y,		
F4001	1-532-266-00	Fuse, 1.2 A	R8002	Resistor, $\frac{1}{4}$ W metal	1-463-316-00	Prescaler, BT-981		
IC801	8-759-729-03	HV PROTECT	R8003	Resistor, $\frac{1}{4}$ W metal	1-463-344-00	UHF/VHF Tuner, BT-858		
IC802	8-759-145-58	HV REG DRIVE	R8004	Resistor, $\frac{1}{4}$ W metal	1-536-674-00	Terminal, antenna		
L601	1-421-259-00	Coil, line filter	RI4001	1-515-440-00	Relay	1-551-519-00	Cord, Power	
L901	1-425-957-00	Coil, eraser	S901	1-552-658-00	Switch, pushbutton; POWER	1-553-774-12	SWITCH, antenna change	
L902	1-425-957-00	Coil, eraser	T801	1-421-364-00	Transformer, Coil, ferrite; CHOKES	4-334-930-00	Holder, power cord	
L905-1	1-425-959-00	Coil, H.C.T.	T802	1-421-374-00	Transformer, ferrite; H.R.T.	4-324-448-00	Case main; H.C.T.	
L905-2	1-425-960-00	Coil, H.C.T.	T901	1-446-782-00	Transformer, POWER	4-324-432-00	Lid case; H.C.T.	
L906	1-451-178-00	Deflection yoke (SY-70NW)	T902	1-447-189-00	Transformer, POWER	4-308-842-00	Cap, FBT lead	
L907	1-452-118-00	Picture tube, Neck Ass'y	T903	1-447-190-00	Transformer, POWER			
L908	1-452-117-00	Picture tube, Neck Ass'y	T904	1-447-191-00	Transformer, POWER			
R4001	1-205-642-00	Resistor 3.3 k $\Omega$ CEMENT-COATED	T8501	1-439-248-21	Transformer, Ass'y, flyback; FBT			
R61	Resistor, $\frac{1}{4}$ W carbon		V901	8-733-101-05	Picture Tube, 820DB22			
R62	Resistor, $\frac{1}{4}$ W carbon							
R633	1-202-723-15	Resistor, 2.2 k $\Omega$ composition						
R661	Resistor, $\frac{1}{4}$ W carbon							
R951	1-202-837-00	Resistor, 82 $\Omega$ $\frac{1}{2}$ W solid						
R952	1-202-837-00	Resistor, 82 k $\Omega$ solid						

## SCHEMATIC DIAGRAM

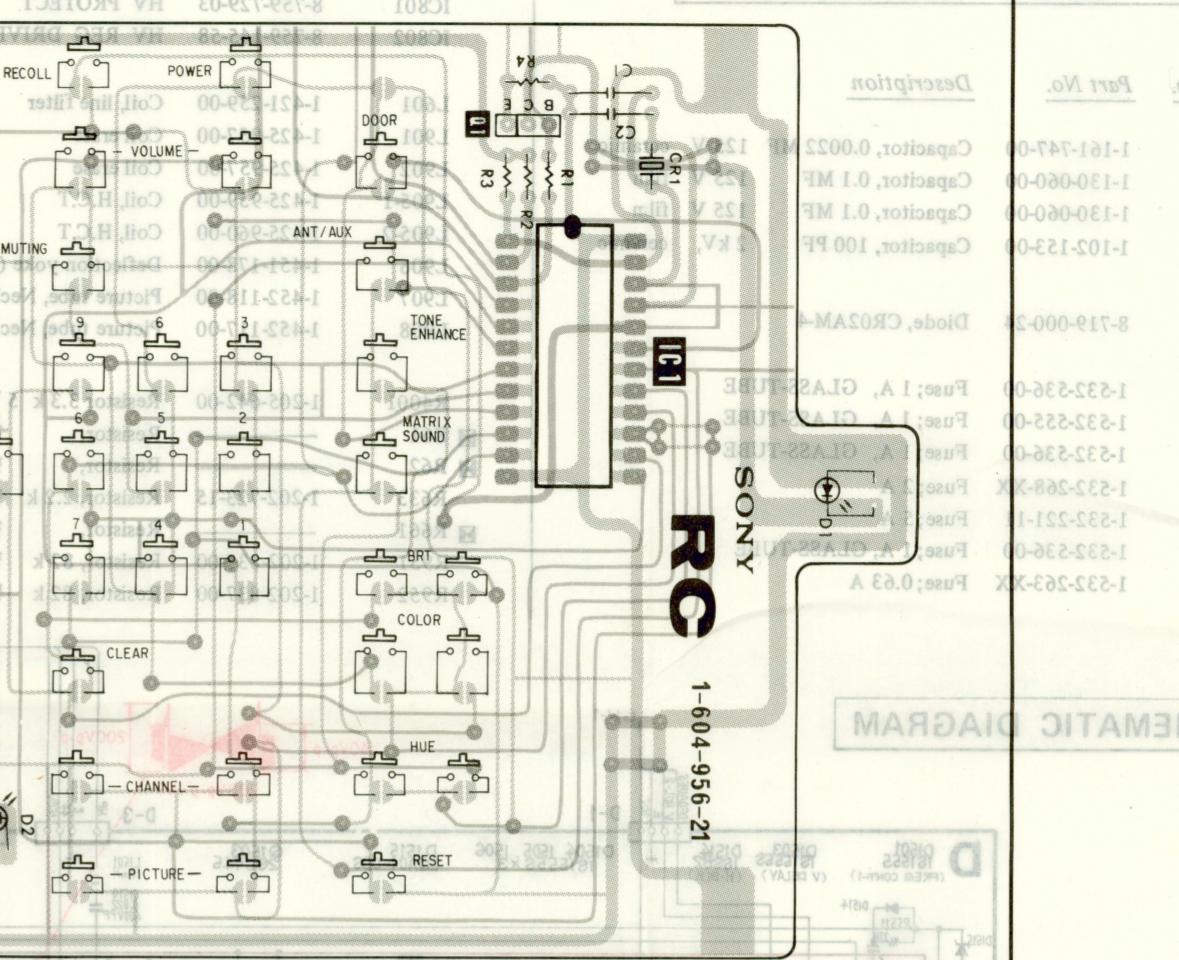
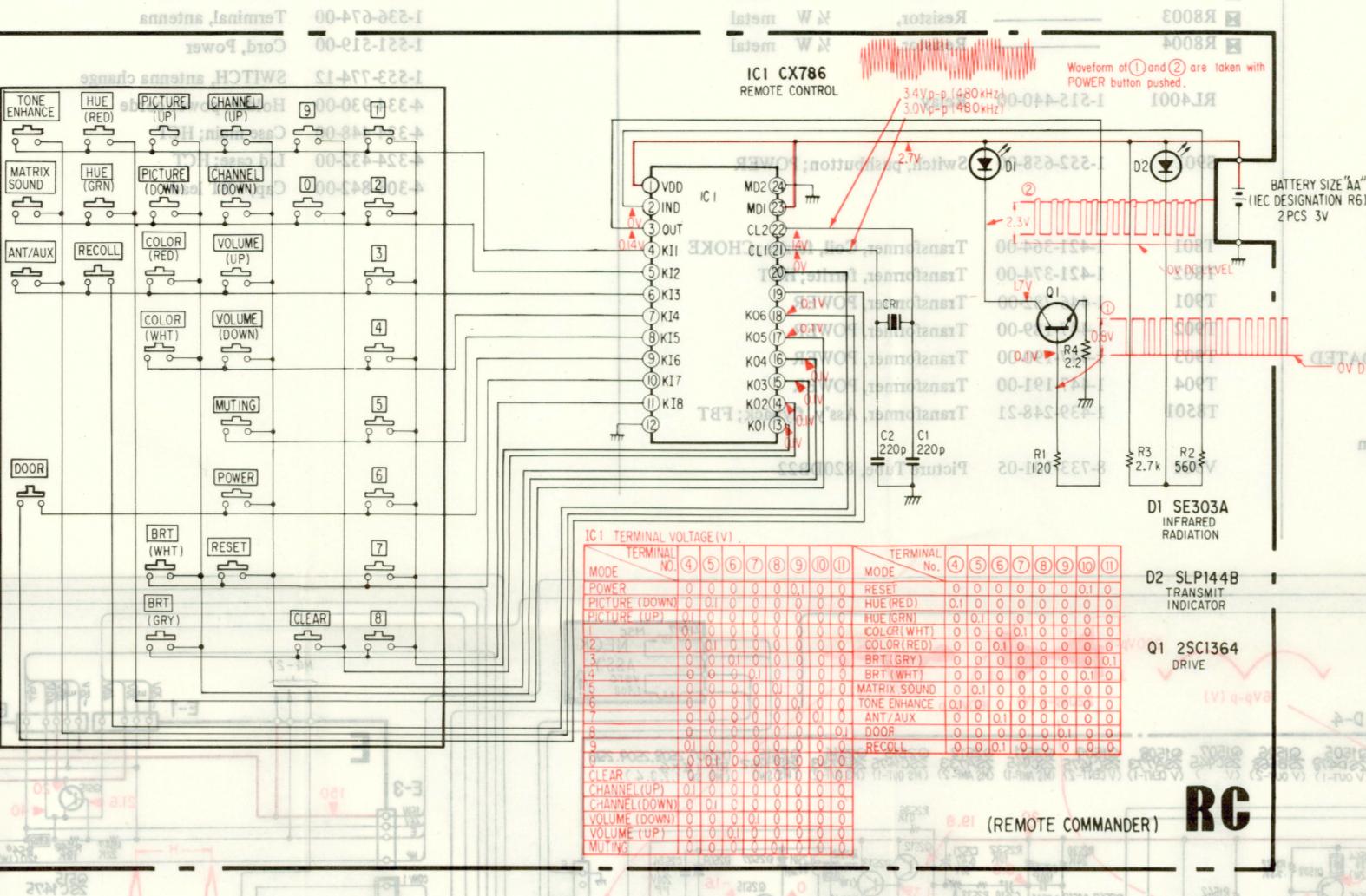


## **MOUNTING DIAGRAM**

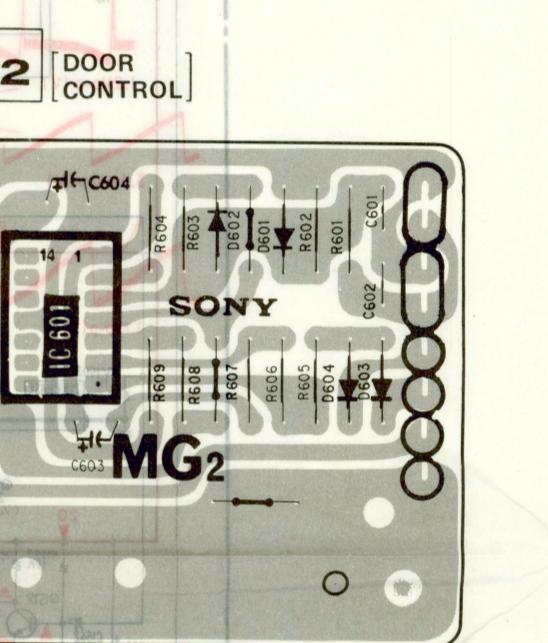
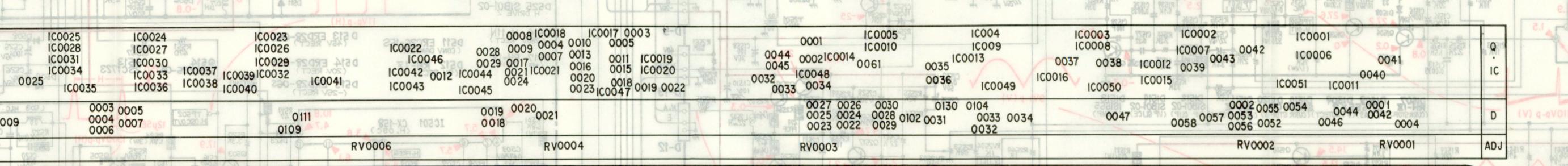
**Note:** All mounting diagrams are viewed from conductor side.



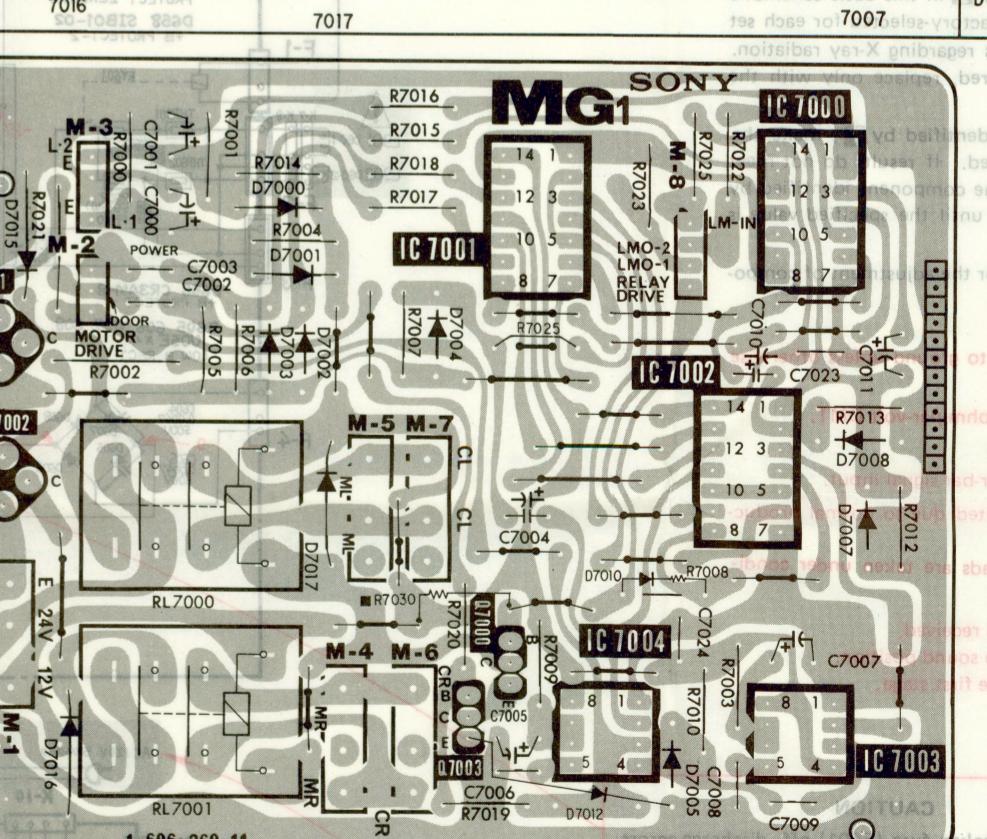
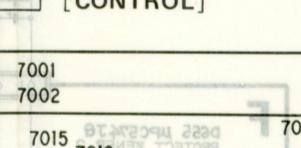
## EMOTE COMMANDER RM-706/706W



REMOTE CONTROL, CHANNEL  
SELECT, CHANNEL DISPLAY,  
COLOR BAR DISPLAY, DOOR  
CONTROL



## G1 [ DOOR CONTROL ]



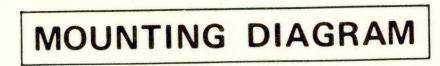
This set is equipped with  
two sets of shears, one  
each side.

it with specified best numbers  
when testing the accuracy

1. *Leucosia* (L.) *leucostoma* (L.) *leucostoma* (L.) *leucostoma* (L.)

J05





**Note:** All mounting diagrams are viewed from conductor side.

D [V. OSC, V. OUT, V. PIN,  
NA OUT, MS. OUT]

[H. OSC. REG]  
[H. DRIVE]

## Schematic Diagram

TRINITRON® COLOR T

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## MOUNTING DIAGRAM

Note: All mounting diagrams are viewed from conductor side.

